

#2. 2590  
05/25 OIPERAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/766,378ADATE: 05/30/2001  
TIME: 12:27:05Input Set : A:\PTO.txt  
Output Set: C:\CRF3\05302001\I766378A.raw

ENTERED

## SEQUENCE LISTING

C--> 3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Rhode, Peter R.  
6 Acevedo, Jorge  
7 Burkhardt, Martin  
8 Jiao, Jin-an  
9 Wong, Hing C.

C--> 11 (ii) TITLE OF INVENTION: SOLUBLE MHC COMPLEXES AND  
12 METHODS OF USE THEREOF

14 (iii) NUMBER OF SEQUENCES: 38

16 (iv) CORRESPONDENCE ADDRESS:

17 (A) ADDRESSEE: Dike, Bronstein, Roberts & Cushman, LLP  
18 (B) STREET: 130 Water Street  
19 (C) CITY: Boston  
20 (D) STATE: MA  
21 (E) COUNTRY: usa  
22 (F) ZIP: 02109

24 (v) COMPUTER READABLE FORM:

25 (A) MEDIUM TYPE: Diskette  
26 (B) COMPUTER: IBM Compatible  
27 (C) OPERATING SYSTEM: DOS  
28 (D) SOFTWARE: FastSEQ for Windows Version 2.0

30 (vi) CURRENT APPLICATION DATA:

C--> 31 (A) APPLICATION NUMBER: US/09/766,378A  
C--> 32 (B) FILING DATE: 19-Jan-2001  
33 (C) CLASSIFICATION:

35 (vii) PRIOR APPLICATION DATA:

36 (A) APPLICATION NUMBER: 08/960,190  
37 (B) FILING DATE: 29-OCT-1997

39 (viii) ATTORNEY/AGENT INFORMATION:

40 (A) NAME: Corless, Peter F  
41 (B) REGISTRATION NUMBER: 33,860  
42 (C) REFERENCE/DOCKET NUMBER: 48002-DIV

44 (ix) TELECOMMUNICATION INFORMATION:

45 (A) TELEPHONE: 617-523-3400  
46 (B) TELEFAX: 617-523-6440  
47 (C) TELEX:

50 (2) INFORMATION FOR SEQ ID NO: 1:

52 (i) SEQUENCE CHARACTERISTICS:

53 (A) LENGTH: 8 base pairs  
54 (B) TYPE: nucleic acid  
55 (C) STRANDEDNESS: single  
56 (D) TOPOLOGY: linear

58 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
60 CCACCATG

62 (2) INFORMATION FOR SEQ ID NO: 2:

64 (i) SEQUENCE CHARACTERISTICS:

8

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65      (A) LENGTH: 43 base pairs
66      (B) TYPE: nucleic acid
67      (C) STRANDEDNESS: single
68      (D) TOPOLOGY: linear
71      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
73      CCCCCCAAGC TTCCGGGCCA CCATGGCTCT GCAGATCCCC AGC      43
75      (2) INFORMATION FOR SEQ ID NO: 3:
77      (i) SEQUENCE CHARACTERISTICS:
78      (A) LENGTH: 34 base pairs
79      (B) TYPE: nucleic acid
80      (C) STRANDEDNESS: single
81      (D) TOPOLOGY: linear
84      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
86      CCCCCCACTT AAGGTCCTTG GGCTGCTCAG CACC      34
88      (2) INFORMATION FOR SEQ ID NO: 4:
90      (i) SEQUENCE CHARACTERISTICS:
91      (A) LENGTH: 37 base pairs
92      (B) TYPE: nucleic acid
93      (C) STRANDEDNESS: single
94      (D) TOPOLOGY: linear
97      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
99      GGGGGGGCCA TGGCCGAAA CTCCGAAAGG CATTTGC      37
102     (2) INFORMATION FOR SEQ ID NO: 5:
104     (i) SEQUENCE CHARACTERISTICS:
105     (A) LENGTH: 32 base pairs
106     (B) TYPE: nucleic acid
107     (C) STRANDEDNESS: single
108     (D) TOPOLOGY: linear
110     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
112     GCGGCGACTA GTCCACTCCA CAGTGATGGG GC      32
115     (2) INFORMATION FOR SEQ ID NO: 6:
116     (i) SEQUENCE CHARACTERISTICS:
117     (A) LENGTH: 36 base pairs
118     (B) TYPE: nucleic acid
119     (C) STRANDEDNESS: single
120     (D) TOPOLOGY: linear
122     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
124     GGGGGGGCCA TGGCCGAAGA CGACATTGAG GCCGAC      36
127     (2) INFORMATION FOR SEQ ID NO: 7:
129     (i) SEQUENCE CHARACTERISTICS:
130     (A) LENGTH: 32 base pairs
131     (B) TYPE: nucleic acid
132     (C) STRANDEDNESS: single
133     (D) TOPOLOGY: linear
135     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
137     GCGCGACTAG TCCAGTGTTT CAGAACCGGC TC      32
140     (2) INFORMATION FOR SEQ ID NO: 8:
142     (i) SEQUENCE CHARACTERISTICS:
143     (A) LENGTH: 31 base pairs

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144         (B) TYPE: nucleic acid
145         (C) STRANDEDNESS: single
146         (D) TOPOLOGY: linear
148     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
150 GGGGGGGGATA TCTCTCAGGC TGTTACGCT G
153 (2) INFORMATION FOR SEQ ID NO: 9:
155     (i) SEQUENCE CHARACTERISTICS:
156         (A) LENGTH: 46 base pairs
157         (B) TYPE: nucleic acid
158         (C) STRANDEDNESS: single
159         (D) TOPOLOGY: linear
161     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
163 GGGGGGTTTCG AAAAGTGTAC TTACGGGGGG CTGGAATCTC AGGTTTC
172 (2) INFORMATION FOR SEQ ID NO: 10:
174     (i) SEQUENCE CHARACTERISTICS:
175         (A) LENGTH: 37 base pairs
176         (B) TYPE: nucleic acid
177         (C) STRANDEDNESS: single
178         (D) TOPOLOGY: linear
180     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
182 GGGGGGCTCG AGTATCAAAG AAGAACATGT GATCATC
185 (2) INFORMATION FOR SEQ ID NO: 11:
187     (i) SEQUENCE CHARACTERISTICS:
188         (A) LENGTH: 36 base pairs
189         (B) TYPE: nucleic acid
190         (C) STRANDEDNESS: single
191         (D) TOPOLOGY: linear
193     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
195 GCGGCGGGAT CCGTTCTCTG TAGTCTCTGG GAGAGG
198 (2) INFORMATION FOR SEQ ID NO: 12:
200     (i) SEQUENCE CHARACTERISTICS:
201         (A) LENGTH: 42 base pairs
202         (B) TYPE: nucleic acid
203         (C) STRANDEDNESS: single
204         (D) TOPOLOGY: linear
206     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
208 GATAAGAGGA AGAAGAGTAC ATGCCGATGG AACCCGGGTG AG
211 (2) INFORMATION FOR SEQ ID NO: 13:
213     (i) SEQUENCE CHARACTERISTICS:
214         (A) LENGTH: 43 base pairs
215         (B) TYPE: nucleic acid
216         (C) STRANDEDNESS: single
217         (D) TOPOLOGY: linear
219     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
221 AATTCTTCAC CCGGGTTCCA TCGGCATGTA CTCTTCTTCC TCG
229 (2) INFORMATION FOR SEQ ID NO: 14:
231     (i) SEQUENCE CHARACTERISTICS:
232         (A) LENGTH: 75 base pairs
233         (B) TYPE: nucleic acid

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234          (C) STRANDEDNESS: single
235          (D) TOPOLOGY: linear
237      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
239  CCCCCCGCTA GCGGAGGGGG CGGAAGCGGC GGAGGGGGGG ACACCCGACC ACGTTTCCTG      60
240  TGGCAGCCTA AGAGG                                                    75
243  (2) INFORMATION FOR SEQ ID NO: 15:
245      (i) SEQUENCE CHARACTERISTICS:
246          (A) LENGTH: 48 base pairs
247          (B) TYPE: nucleic acid
248          (C) STRANDEDNESS: single
249          (D) TOPOLOGY: linear
251      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
253  CCCCCCGAAT TCCCCACTAG TCCATTCCAC TGTGAGAGGG CTTGTCAC      48
256  (2) INFORMATION FOR SEQ ID NO: 16:
258      (i) SEQUENCE CHARACTERISTICS:
259          (A) LENGTH: 35 base pairs
260          (B) TYPE: nucleic acid
261          (C) STRANDEDNESS: single
262          (D) TOPOLOGY: linear
264      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
266  GGGGGGGCCA TGGCCTACGA CAGAACCCCG TGGTG      35
269  (2) INFORMATION FOR SEQ ID NO: 17:
271      (i) SEQUENCE CHARACTERISTICS:
272          (A) LENGTH: 32 base pairs
273          (B) TYPE: nucleic acid
274          (C) STRANDEDNESS: single
275          (D) TOPOLOGY: linear
277      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
279  GGGGGGACTA GTTCGCCGCT GCACTGTGAA GC      32
286  (2) INFORMATION FOR SEQ ID NO: 18:
288      (i) SEQUENCE CHARACTERISTICS:
289          (A) LENGTH: 33 base pairs
290          (B) TYPE: nucleic acid
291          (C) STRANDEDNESS: single
292          (D) TOPOLOGY: linear
294      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
296  GGGGGGTATG CATACGACGA GAACCCCGTG GTG      33
299  (2) INFORMATION FOR SEQ ID NO: 19:
301      (i) SEQUENCE CHARACTERISTICS:
302          (A) LENGTH: 33 base pairs
303          (B) TYPE: nucleic acid
304          (C) STRANDEDNESS: single
305          (D) TOPOLOGY: linear
307      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
309  GGGGGGACTA GTCCACTTCG AGGAAGTGT TCC      33
312  (2) INFORMATION FOR SEQ ID NO: 20:
314      (i) SEQUENCE CHARACTERISTICS:
315          (A) LENGTH: 24 base pairs
316          (B) TYPE: nucleic acid

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317          (C) STRANDEDNESS: single
318          (D) TOPOLOGY: linear
320      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
322 CCTCCTGGTC TCCTCTGTGA GTGG                                     24
325 (2) INFORMATION FOR SEQ ID NO: 21:
327     (i) SEQUENCE CHARACTERISTICS:
328         (A) LENGTH: 24 base pairs
329         (B) TYPE: nucleic acid
330         (C) STRANDEDNESS: single
331         (D) TOPOLOGY: linear
333     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
335 CCACTCACAG AGGAGACCAG GAGG                                     24
343 (2) INFORMATION FOR SEQ ID NO: 22:
345     (i) SEQUENCE CHARACTERISTICS:
346         (A) LENGTH: 30 base pairs
347         (B) TYPE: nucleic acid
348         (C) STRANDEDNESS: single
349         (D) TOPOLOGY: linear
351     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
353 CCCCCACCG GTTACGACAA GCCCGTGGTG                               30
356 (2) INFORMATION FOR SEQ ID NO: 23:
358     (i) SEQUENCE CHARACTERISTICS:
359         (A) LENGTH: 45 base pairs
360         (B) TYPE: nucleic acid
361         (C) STRANDEDNESS: single
362         (D) TOPOLOGY: linear
364     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:
366 CCCCCATCG ATAAGTGAC TTACGTGGGA GAGGGCTTGG AGCAT             45
369 (2) INFORMATION FOR SEQ ID NO: 24:
371     (i) SEQUENCE CHARACTERISTICS:
372         (A) LENGTH: 1508 base pairs
373         (B) TYPE: nucleic acid
374         (C) STRANDEDNESS: single
375         (D) TOPOLOGY: linear
377     (ix) FEATURE:
379         (A) NAME/KEY: Coding Sequence
380         (B) LOCATION: 6...1505
381         (D) OTHER INFORMATION:
383     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:
385 CCACC ATG GCT CTG CAG ATC CCC AGC CTC CTC TCA GCT GCT GTG GTG   50
386 Met Ala Leu Gln Ile Pro Ser Leu Leu Leu Ser Ala Ala Val Val
387   1             5             10             15
389 GTG CTG ATG GTG CTG AGC AGC CCA AGG ACC TTA AGT ATC TCT CAG GCT   98
390 Val Leu Met Val Leu Ser Ser Pro Arg Thr Leu Ser Ile Ser Gln Ala
391             20             25             30
393 GTT CAC GCT GCT CAC GCT GAA ATC AAC GAA GCT GGT CGT GCT AGC GGA   146
394 Val His Ala Ala His Ala Glu Ile Asn Glu Ala Gly Arg Ala Ser Gly
395             35             40             45
397 GGG GGC GGA AGC GGC GGA GGG GGA AAC TCC GAA AGG CAT TTC GTG GTC   194

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/766,378A

DATE: 05/30/2001

TIME: 12:27:06

Input Set : A:\PTO.txt

Output Set: C:\CRF3\05302001\I766378A.raw

L:3 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]  
L:11 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]  
L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]